Whisper-quiet Mini PC with an Intel Atom dual-core processor and Linux

System XS350VA

Ultra-Small-Form-Factor-PC

To put it in a nutshell, the Shuttle XS350VA is an extremely slim and ergonomic Mini PC that works highly energy-efficiently. With a power consumption that is barely not worth mentioning, its noise nevel is close to zero. The XS350VA has an Intel Atom D510 dual-core processor (2x 1.66 GHz) beating at its heart while also using integrated graphics. Because of its completely fanless case layout, it is virtually maintenance-free and noiseless. The 38mm thin system comes with 2GB memory, a 160GB hard disk with OpenSUSE as operating system, WLAN (n) and a card reader. It sports an array of connectors too which include 5x USB, VGA, Ethernet and audio ports.

Fanless

openSUSE

Feature Highlights

Chassis	• Slim 1.5 litre chassis • Dimensions: 25.2 x 16.2 x 3.84 cm • Hole for the Kensington Lock • Optional: VESA75/100 mounting kit PV01
Operating system	• OpenSUSE Linux
CPU	• Intel ATOM D510 Dual Core (Pineview-D)
Chipset	• Intel NM10 Express Chipset
Graphics	• Integrated Intel GMA3150 Graphics
Memory	• 2GB DDR2-667 SO-DIMM module
Storage	• 160 GB SATA hard disk (2.5") • With 4-in-1 card reader
Connectors and WLAN	• D-Sub VGA • 5x USB 2.0 (1x front, 4x rear) • Microphone input • Headphones output (Line-out) • LAN • WLAN 802.11 b/g/n
Power supply	• External 40W fanless power supply
Applications	• Basic and Home-Media

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Bestellnummer:
PEV-XS350VA1

Images are only for illustration purposes.
An optical drive is not included.

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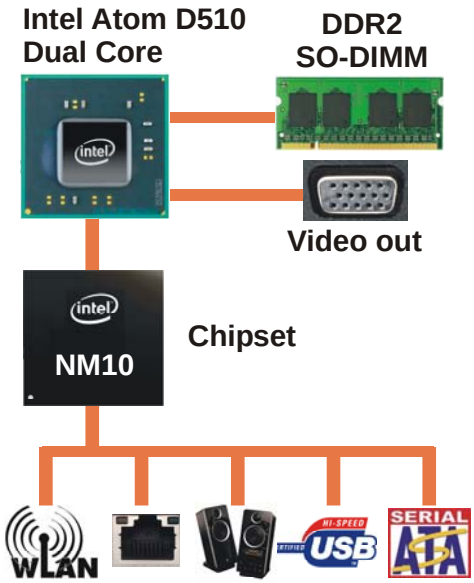
Shuttle Ultra-Small-Form-Factor-PC XS350VA - Product Features

Slim and stylish

Designed as a space-saver, this sleek 1.5 litre nettop PC only measures 3.8cm in width. It maximizes space whether it is placed upright using its stylish stand or affixed to the back of a display with the optional VESA mounting kit (PV01). Due to its small size and flexible design, this practical nettop offers exceptional functionality and is well-suited for home users, small offices, reception areas, classrooms, libraries, showrooms, call centres, public institutions and more.

Fanless and quiet

The Shuttle XS 3500BAcomes totally fanless making it perfect to be used in noise-sensitive environments such as living rooms, hospitals, libraries etc. As an additional benefit, fanless cases rarely gather dust on the inside and stay cleaner than others. So it's not only quiet and low in energy use, but also dust-free and virtually maintenance free.



The new Atom processor integrates the graphics controller

Shuttle XS350VA is equipped with Intels new Atom processor, codenamed Pineview. It comes with both the memory controller and graphics core on-die which helps to keep heat dissipation and memory latency low. The CPU is connected to the Southbridge NM10, codenamed Tiger Point.

Dual Core. Do more.

Shuttle always uses the dual-core variant of Intel's Atom processors and thus integrates the Atom D510. This boosts the system performance significantly with particular regards to multi-threaded applications.

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Highly energy-saving

The XS350VA barely consumes, depending on system load, about 16~20 Watts. Running the device*) 5 days a week for eight hours a day, the annual consumption would amount to less than 40kWh which would mean just 8 Euros on the power bill (20 Euro ct/kWh) - way less than a conventional desktop PC draws.
*) Based on a configuration with 2GB of memory, 160GB hard disk and Windows 7

4-in-1 card reader

The built-in 4-in-1 card reader at the front side makes it easy to transfer files from your camera so you can share videos and photos on your XS350VA with ease.

Kensington Lock

This is a small, metal-reinforced hole as part of an anti-theft system. As known from notebooks, this Mini-PC can also be safely locked by tieing it to a solid object.
(The lock-and-cable apparatus is not included.)

Optional VESA mount (Accessory PV01)

Its optional VESA75/100 wallmount allows it to be installed on to walls or just affixed on the rear side of a monitor which is particularly interesting for the industry segment, company buildings and public institutions.

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Shuttle XS350VA Specifications

Chassis	Dimensions without stand: 25.2 x 16.2 x 3.85 cm (DxHxW) = 1,57 litre Dimensions with stand: 25.2 x 18.5 x 10.04 cm (DxHxW) Hole for the Kensington Lock at the back panel Optional accessory: 75mm and 100mm VESA mounting kit (PV01) Warning: Please make sure the system is always placed upright using either its stand or the optional VESA mount. Ventilation holes must not be blocked to ensure sufficient cooling.
Operation System	OpenSUSE Linux, powered by Novell
Processor	Intel Dual-Core Atom processor D510 (Codename: Pineview-D) 45nm manufacturing process, FCBGA559 Intel Hyper-Threading technology: 2-threads per core Intel 64 architecture, Core clock: 1.66GHz L2 Cache: 1024kB , TDP: max. 15W Integrated North Bridge with controller for memory and graphics
Cooling	Passive, completely fanless cooling
Chipset	Intel® NM10 Express Chipset Platform Controller Hub (PCH) Code name: Tiger Point
BIOS	AMI BIOS in a 2Mbit Flash ROM supports PnP, ACPI 3.0 Supports external USB flash memory card boot up
Memory	2048MB DDR2-667 (PC5300) One SO-DIMM module with 200 pins
Optical drive	Not available
Hard disk drive	160GB Serial ATA hard disk 6.35cm/2.5" format
Integrated Graphics	The Graphics Processing Unit (GPU) is integrated into the processor Intel GMA 3150, 400MHz render clock frequency Intel Dynamic Vidieo Memory Technology 4.0 (DVMT 4.0) Share system memory max. 256MB Supports DirectX 9 and 2D/3D instruction set, Pixel Shader 2.0 MPEG2 hardware acceleration Intel Clear Video / ProcAmp technology allows user adjustment of hue, saturation, brightness and contrast Analog VGA: supports up to 2048x1536, 60Hz resolution

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Integrated Audio	IDT92HD81 Audio Codec with Azalia support Two analog audio connectors (3.5mm): 1) Line out (head phone) 2) microphone input
Card Reader	4-in-1 card reader at the front side Supports SDHC, SD, MS und MS-pro memory cards PCIe Interface
Wired Network	RJ45 connector supports 10/100 Mbit/sec. PCI-Express x1 interface Supports S3 Wake-on-LAN (WOL) feature Supports Deep Sleep Mode (DSM) Combo controller JMC261 (for LAN and card reader)
Wireless Network	Supports IEEE 802.11b/g/n Half size Mini-PCIe-Card
Connectors	VGA Analog Video (D-Sub 15 pol., analog) 5x USB 2.0 (1x front, 4x rear) Network (LAN, RJ45) Audio Line-out (head phone) Microphone input DC input for power adapter
LEDs and Buttons	Power button Power LED (white) Hard disk LED (blue)
Power supply	External 40W AC/DC power adapter (fanless) AC Input: 100~240V AC, 50~60Hz
Certification and Compliance	EMI: CE, FCC, BSMI, C-Tick Safety: CB, BSMI, ETL Other compliances: RoHS, Eup Lot6

Shuttle® XS35/GT Product Overview

Graphics	Model name	Type	Operation System	Memory	Hard Disk	DVD R/W	Bar Code
Integrated (IGP) Intel GMA3150 VGA	XS35	Barebone	–	–	–	–	811686003274
	XS35-703	System	–	2 GB DDR2	160 GB	–	811686007920
	XS35-704	System	–	2 GB DDR2	320 GB	Yes	811686007937
	XS 3500BA	System	Windows 7 Prof.	2 GB DDR2	160 GB	–	4046047102181
	XS350VA	System	OpenSUSE Linux	2 GB DDR2	160 GB	–	4046047102204
Next Generation NVIDIA ION HDMI + VGA	XS35GT	Barebone	–	–	–	–	811686003281
	XS35GT-804	System	–	2 GB DDR2	500 GB	Yes	811686007982
	XS 3510MA	System	Win 7 Home Premium	2 GB DDR2	500 GB	Yes	4046047102198

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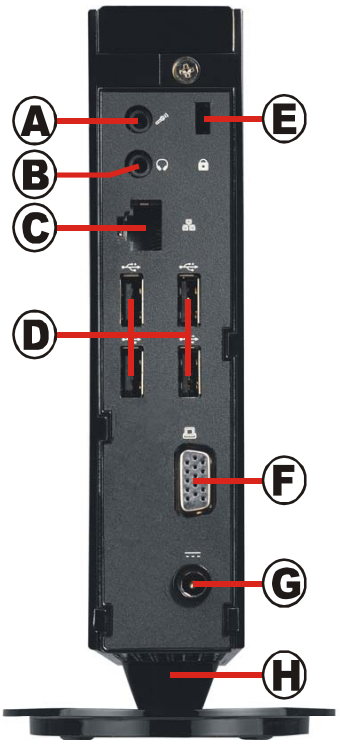
Shuttle XS XS350VA – Connectors

Front Panel

1 4-in-1 card reader
2 USB connector
3 Power button with power and hard disk LED
4 Stand

Back Panel



A Microphone input
B Head phone output (line out)
C Network connector (RJ45)
D 4x USB connectors
E Hole for the Kensington lock
F VGA connector
G Connector for power adapter
H Stand

*) Note: The optical drive is not included.

Warning:
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